

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032218\
 Data File : BG033319.D
 Acq On : 23 Mar 2018 10:58
 Operator : SJ/JU
 Sample : J1978-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 14:33:36 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 17:32:09 2018
 Response via : Initial Calibration

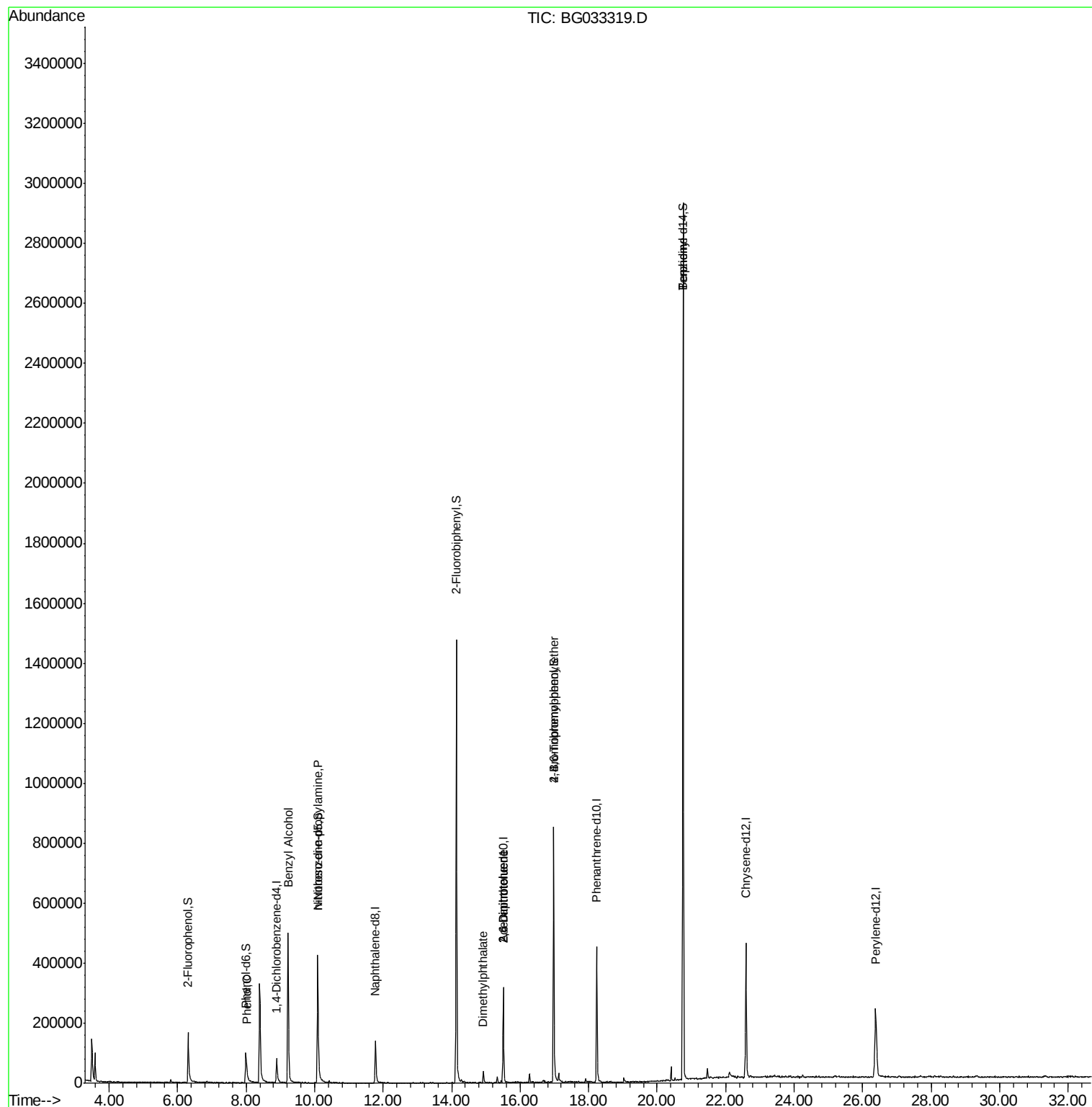
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	32065	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	146609	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	121302	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	319405	20.00	ng	0.00
75) Chrysene-d12	22.59	240	321808	20.00	ng	0.00
86) Perylene-d12	26.38	264	329900	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	91563	53.54	ng	0.00
7) Phenol-d6	7.99	99	90708	30.87	ng	0.00
23) Nitrobenzene-d5	10.09	82	349274	109.45	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	177404	97.79	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	866916	103.17	ng	0.00
78) Terphenyl-d14	20.76	244	1495377	99.38	ng	0.00
Target Compounds						
10) Phenol	8.03	94	6423	2.214	ng	# 75
15) Benzyl Alcohol	9.22	79	5523	2.387	ng	# 18
19) n-Nitroso-di-n-propylamine	10.09	70	45330	21.055	ng	# 83
49) Dimethylphthalate	14.92	163	26735	2.533	ng	# 98
50) 2,6-Dinitrotoluene	15.51	165	16000	7.412	ng	# 22
56) 2,4-Dinitrotoluene	15.51	165	16065	5.055	ng	# 20
66) 4-Bromophenyl-phenylether	16.98	248	13399	3.572	ng	# 1
76) Benzidine	20.76	184	25291	2.898	ng	# 87

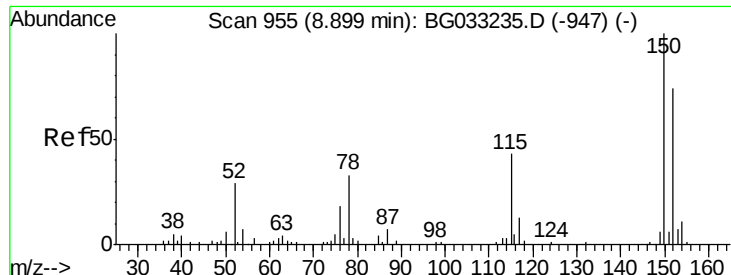
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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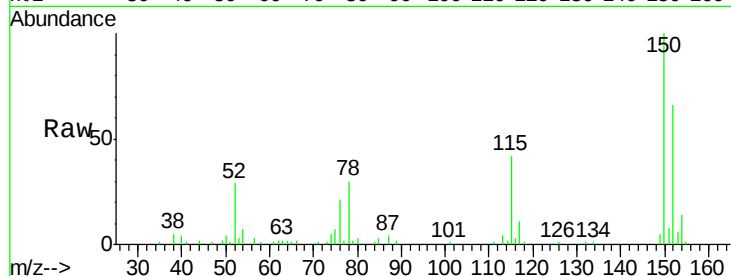


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 953
Delta R.T. -0.01 min
Lab File: BG033319.D
Acq: 23 Mar 2018 10:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	126.6	189.8
115	63.9	53.0	79.4

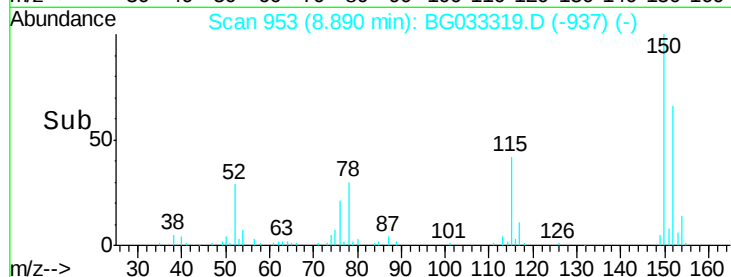
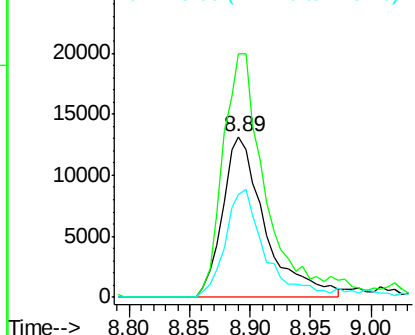


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

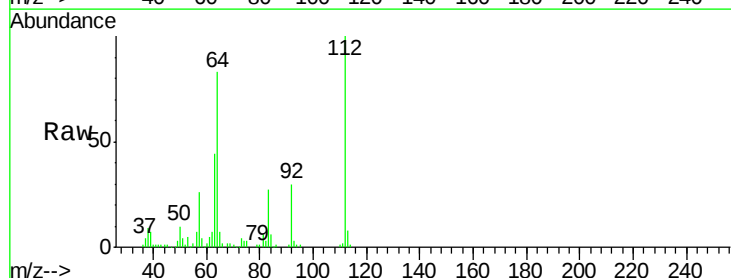
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.545 ng
RT: 6.31 min Scan# 513
Delta R.T. -0.01 min
Lab File: BG033319.D
Acq: 23 Mar 2018 10:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	83.4	56.3	84.5
63	43.7	30.1	45.1

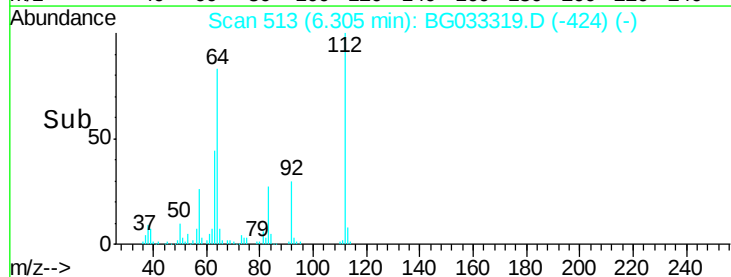
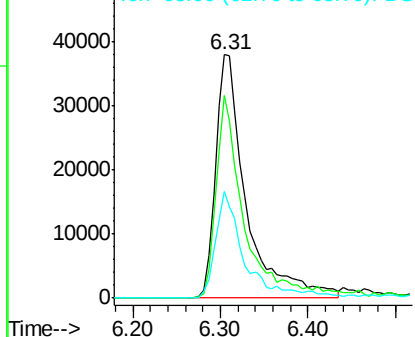


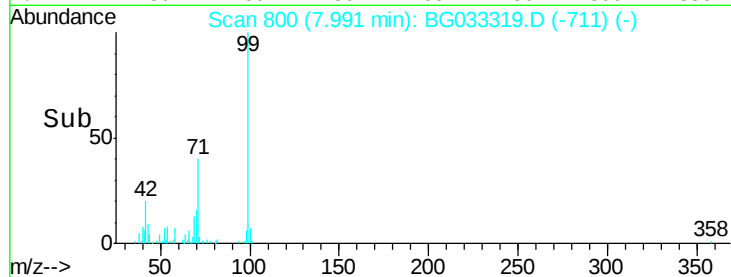
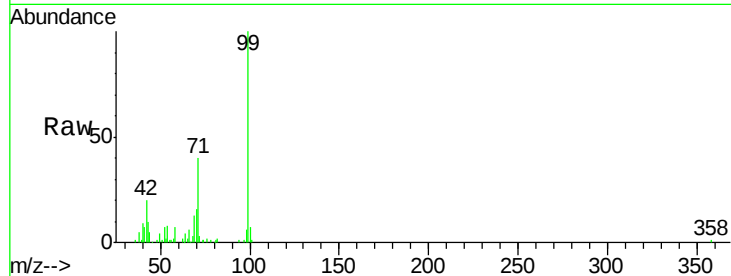
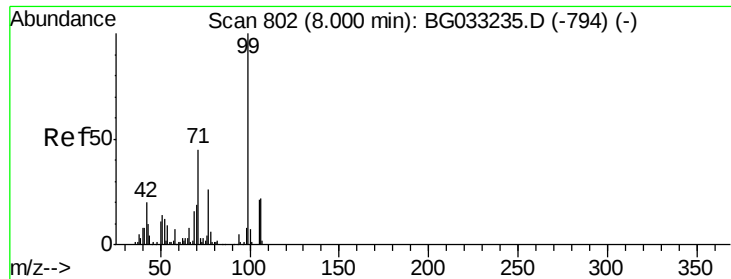
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.872 ng

RT: 7.99 min Scan# 800

Delta R.T. -0.01 min

Lab File: BG033319.D

Acq: 23 Mar 2018 10:58

Instrument :

BNA_G

ClientSampleId :

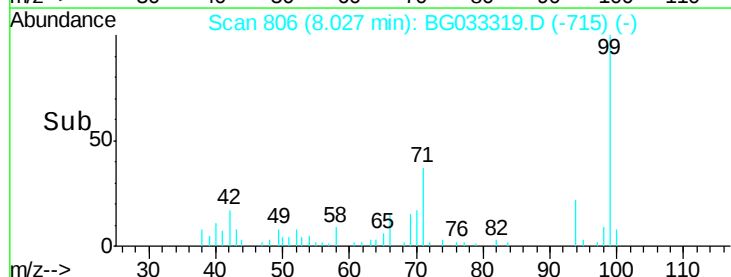
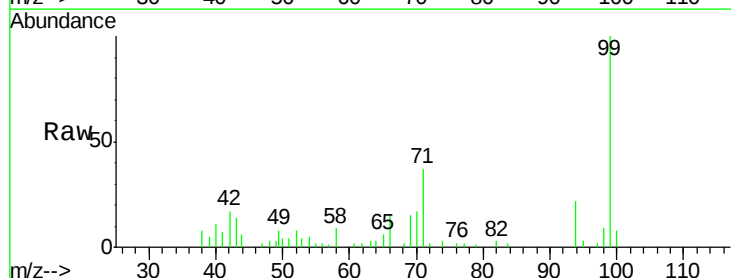
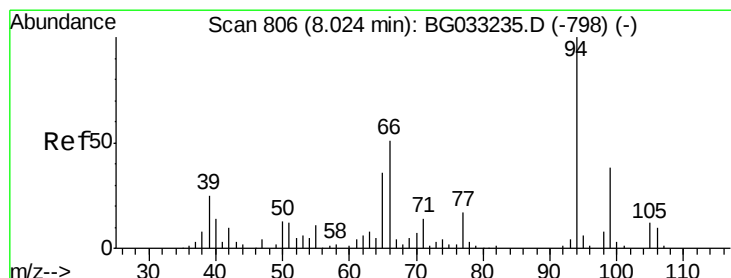
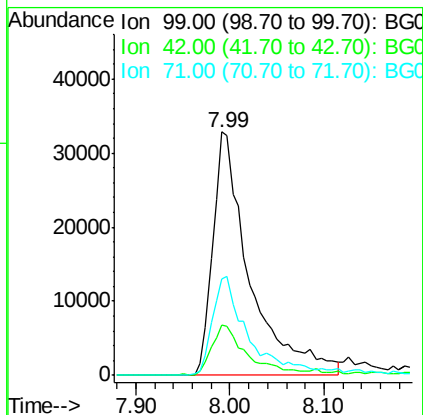
Tot Ion: 99 Resp: 90708

Ion Ratio Lower Upper

99 100

42 20.5 14.1 21.1

71 39.6 26.1 39.1#



#10

Phenol

Concen: 2.214 ng

RT: 8.03 min Scan# 806

Delta R.T. 0.01 min

Lab File: BG033319.D

Acq: 23 Mar 2018 10:58

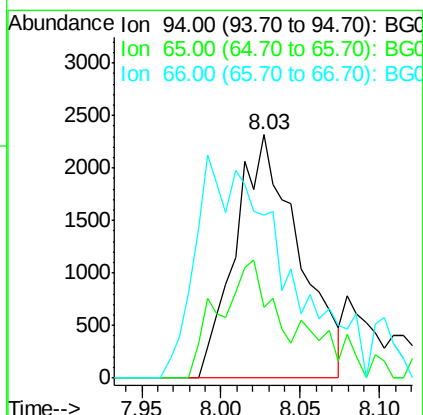
Tgt Ion: 94 Resp: 6423

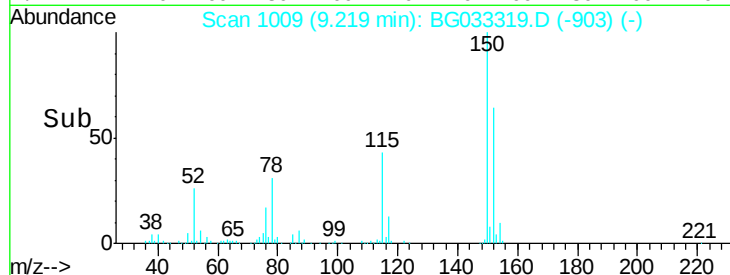
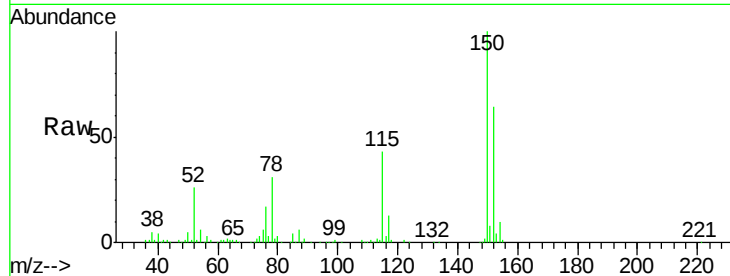
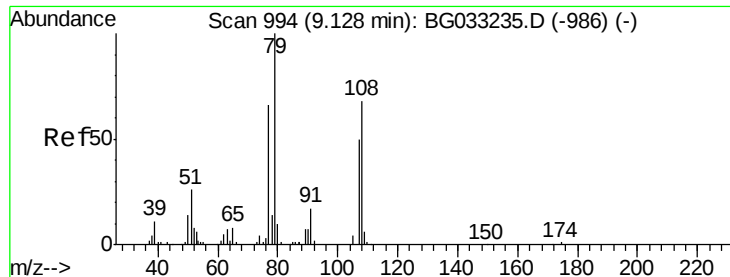
Ion Ratio Lower Upper

94 100

65 29.0 11.9 51.9

66 67.0 22.2 62.2#

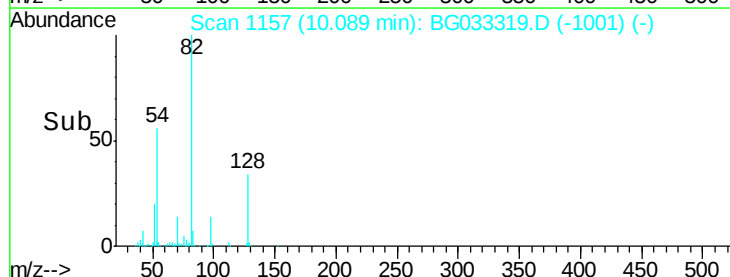
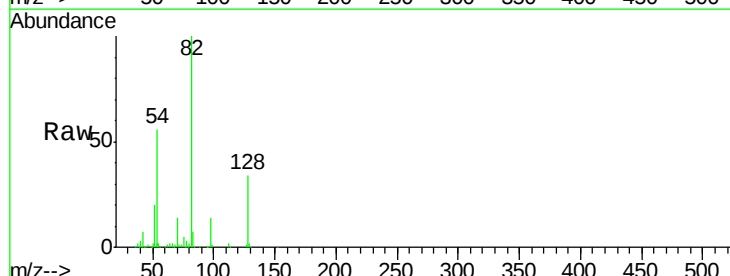
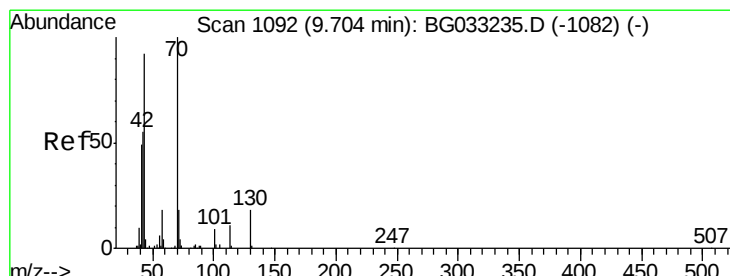
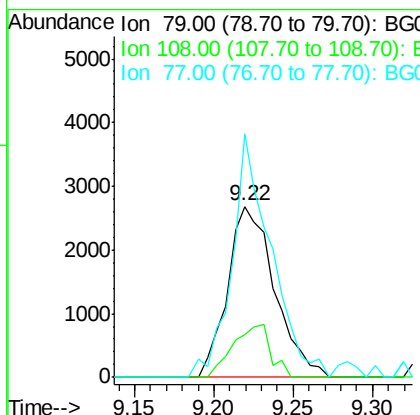




#15
Benzyl Alcohol
Concen: 2.387 ng
RT: 9.22 min Scan# 1009
Delta R.T. 0.09 min
Lab File: BG033319.D
Acq: 23 Mar 2018 10:58

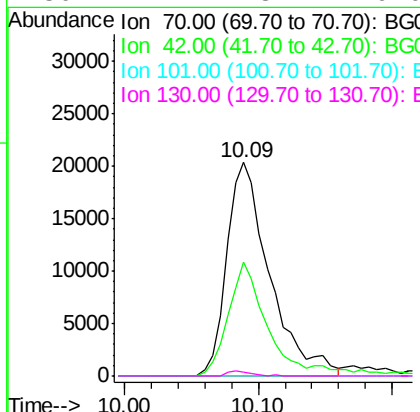
Instrument :
BNA_G
ClientSampled :

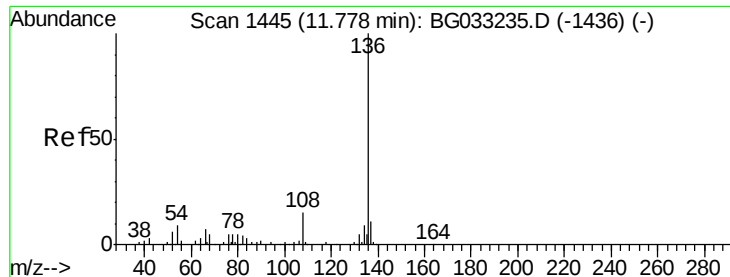
Tot Ion: 79 Resp: 5523
Ion Ratio Lower Upper
79 100
108 25.0 57.2 85.8#
77 142.5 46.1 69.1#



#19
n-Nitroso-di-n-propylamine
Concen: 21.055 ng
RT: 10.09 min Scan# 1157
Delta R.T. 0.39 min
Lab File: BG033319.D
Acq: 23 Mar 2018 10:58

Tgt Ion: 70 Resp: 45330
Ion Ratio Lower Upper
70 100
42 53.1 49.1 73.7
101 0.0 8.5 12.7#
130 1.7 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BG033319.D

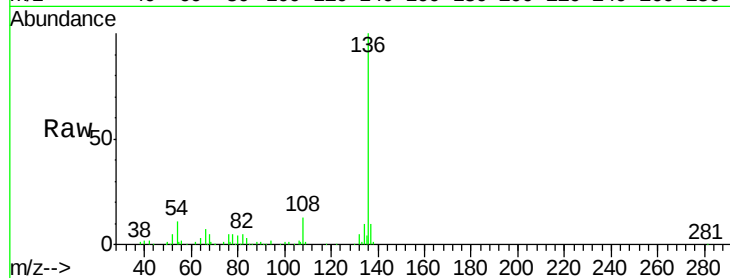
Acq: 23 Mar 2018 10:58

Instrument :

BNA_G

ClientSampled :

Tot Ion:136	Resp:	146609
Ion	Ratio	Lower Upper
136	100	
137	9.7	9.2 13.8
54	11.6	10.3 15.5
68	6.0	4.5 6.7

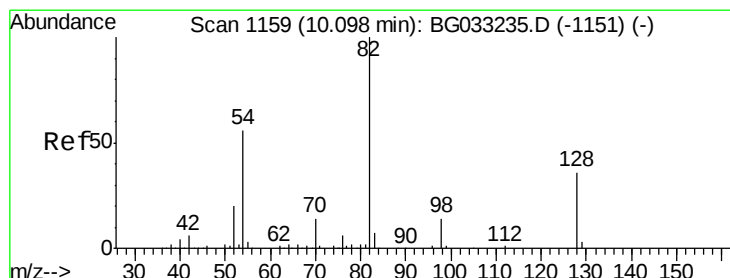
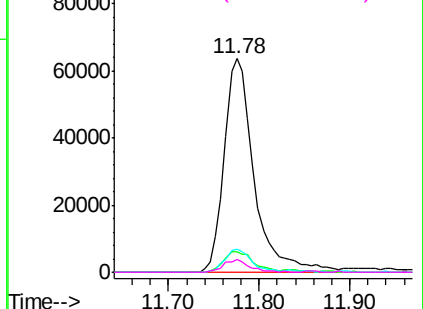
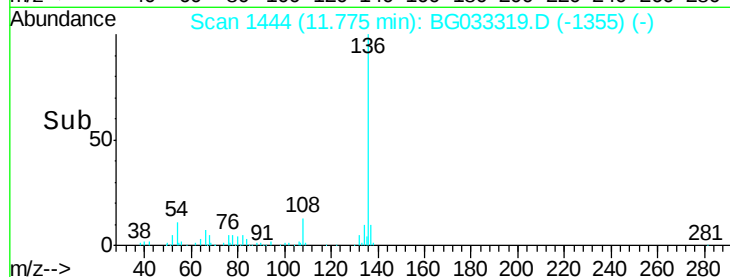


Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 109.455 ng

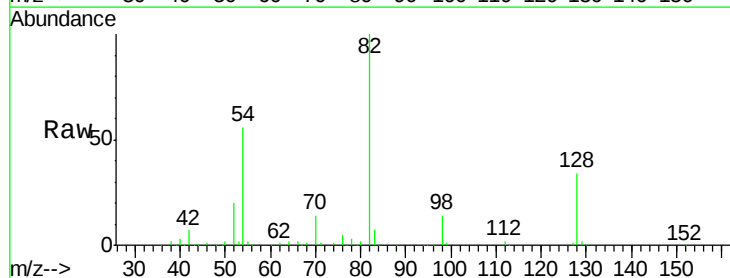
RT: 10.09 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BG033319.D

Acq: 23 Mar 2018 10:58

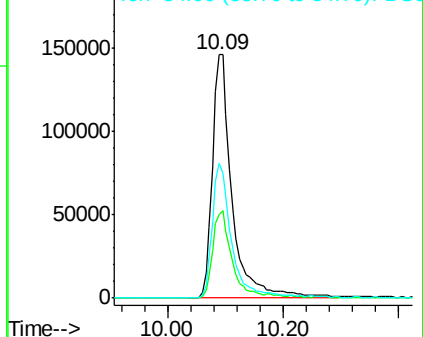
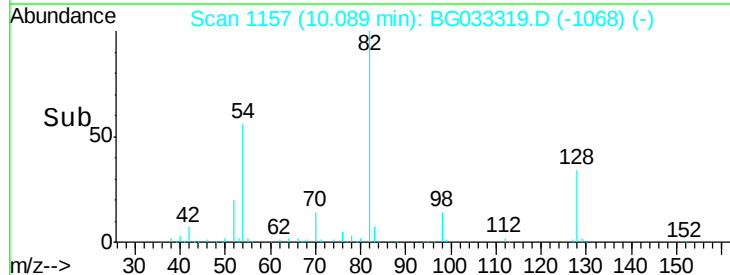
Tgt Ion: 82	Resp:	349274
Ion	Ratio	Lower Upper
82	100	
128	34.3	29.7 44.5
54	55.6	43.1 64.7

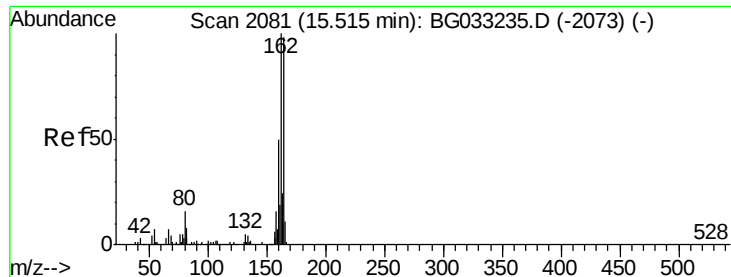


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

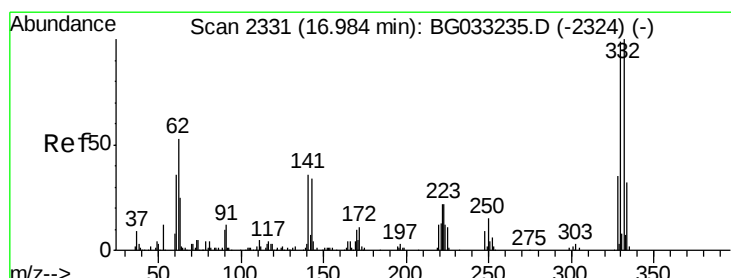
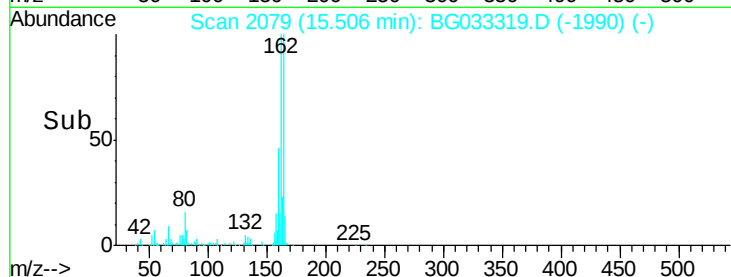
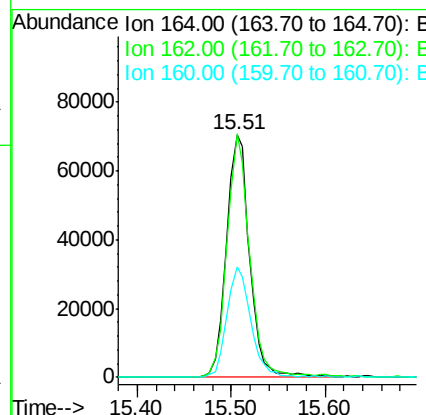
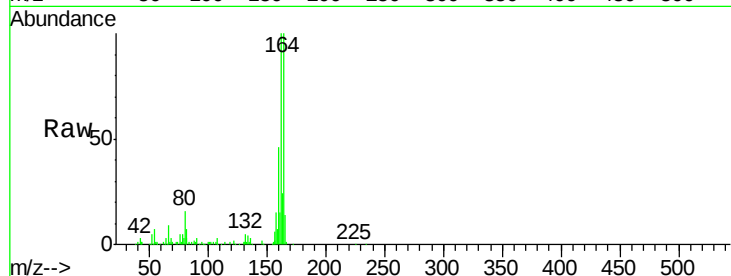




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BG033319.D
Acq: 23 Mar 2018 10:58

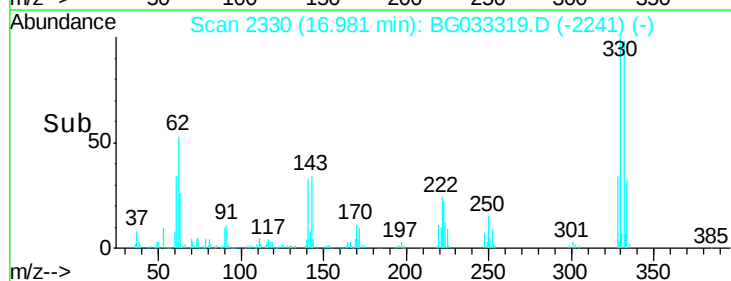
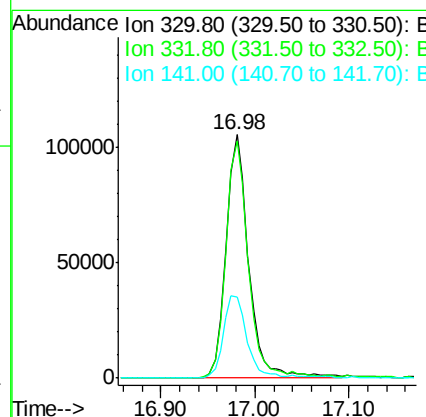
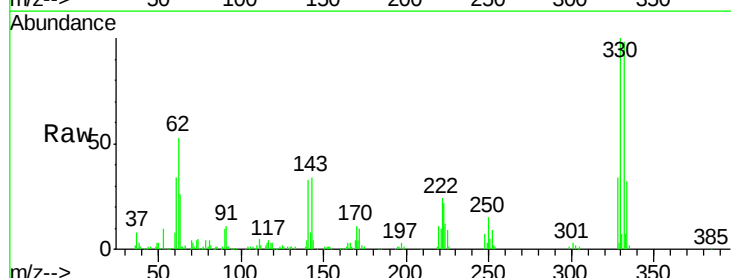
Instrument :
BNA_G
ClientSampleId :

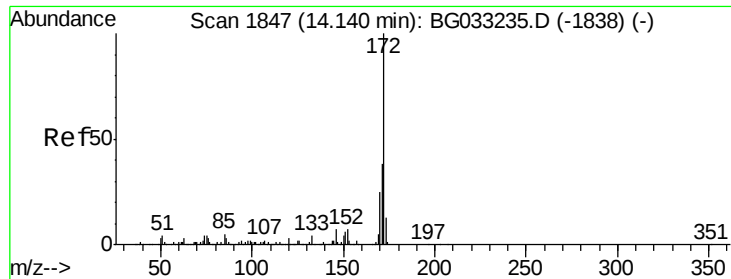
Tot Ion:164 Resp: 121302
Ion Ratio Lower Upper
164 100
162 100.4 78.8 118.2
160 45.7 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 97.786 ng
RT: 16.98 min Scan# 2330
Delta R.T. -0.01 min
Lab File: BG033319.D
Acq: 23 Mar 2018 10:58

Tgt Ion:330 Resp: 177404
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 35.9 25.2 37.8

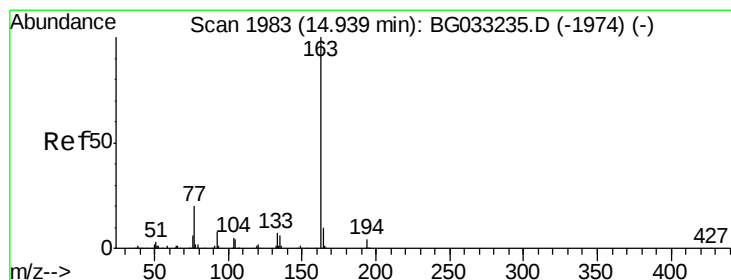
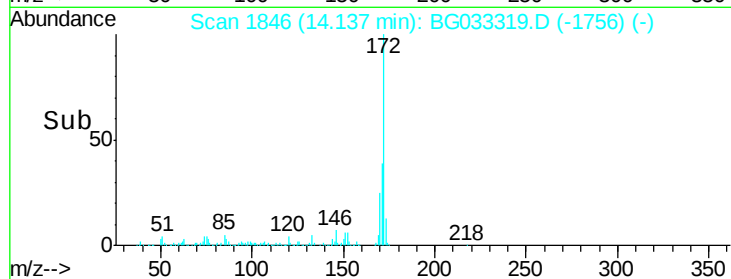
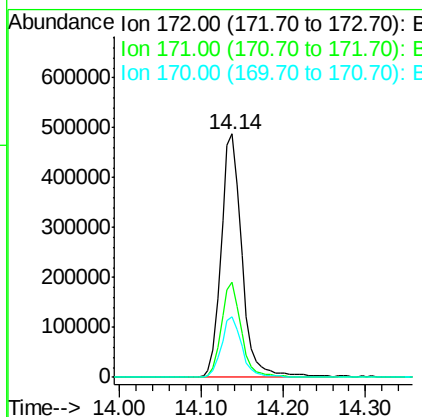
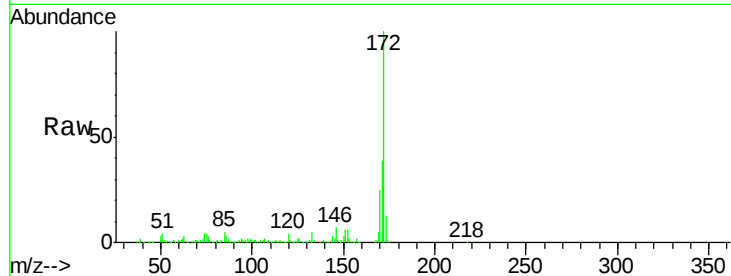




#44
 2-Fluorobiphenyl
 Concen: 103.173 ng
 RT: 14.14 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: BG033319.D
 Acq: 23 Mar 2018 10:58

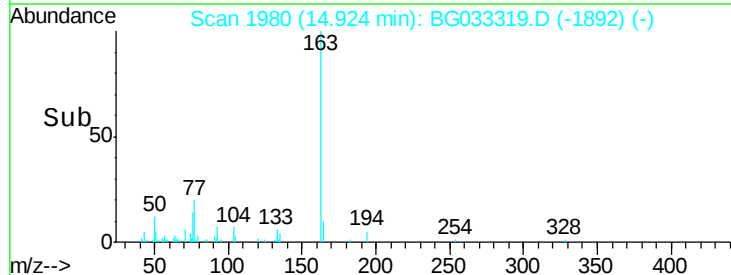
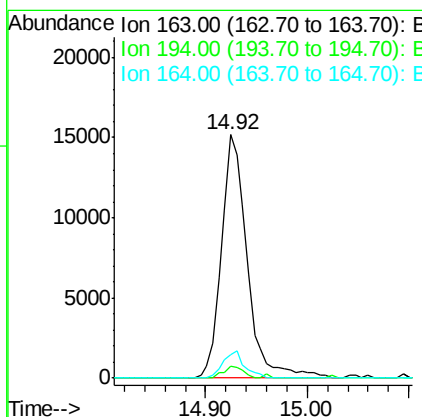
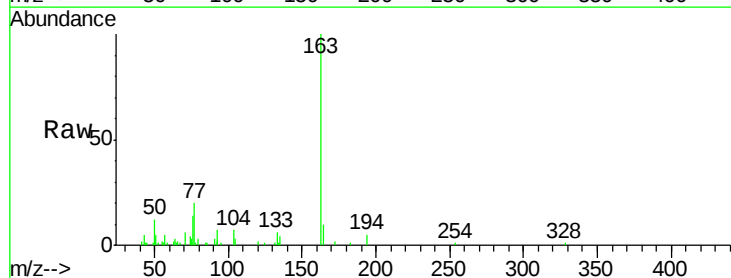
Instrument :
 BNA_G
 ClientSampleId :

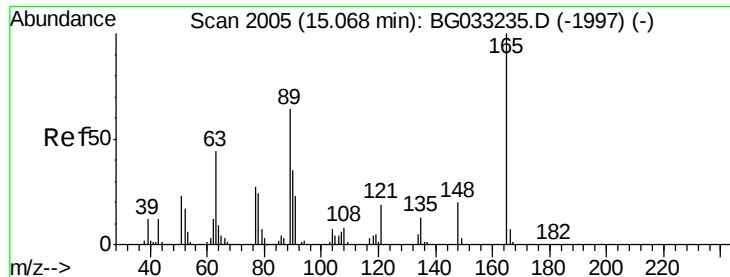
Tot Ion:172 Resp: 866916
 Ion Ratio Lower Upper
 172 100
 171 39.0 30.0 45.0
 170 24.7 19.5 29.3



#49
 Dimethylphthalate
 Concen: 2.533 ng
 RT: 14.92 min Scan# 1980
 Delta R.T. -0.01 min
 Lab File: BG033319.D
 Acq: 23 Mar 2018 10:58

Tgt Ion:163 Resp: 26735
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.4 5.2
 164 9.6 8.2 12.4

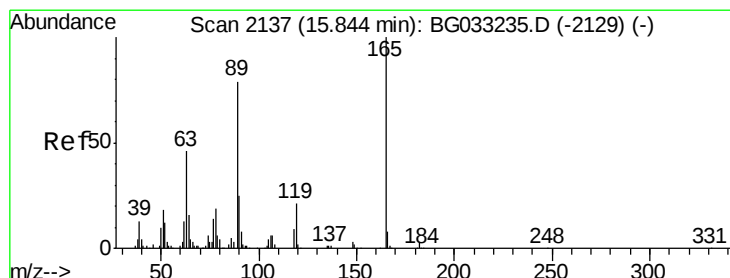
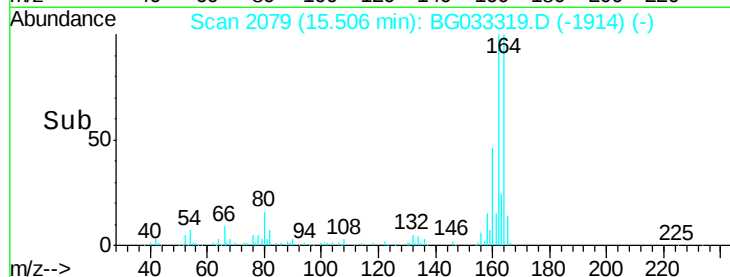
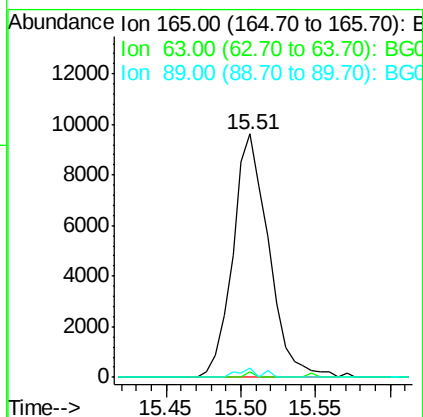
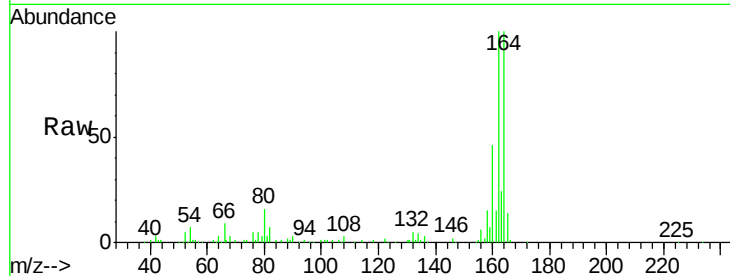




#50
2,6-Dinitrotoluene
Concen: 7.412 ng
RT: 15.51 min Scan# 2079
Delta R.T. 0.44 min
Lab File: BG033319.D
Acq: 23 Mar 2018 10:58

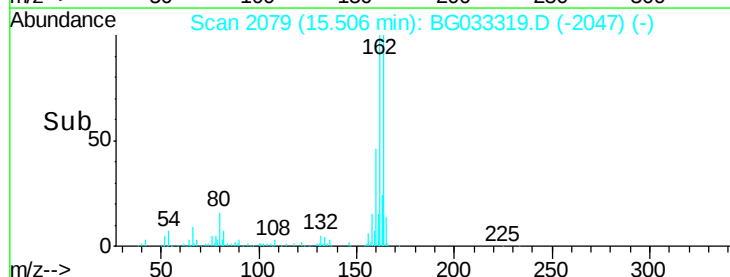
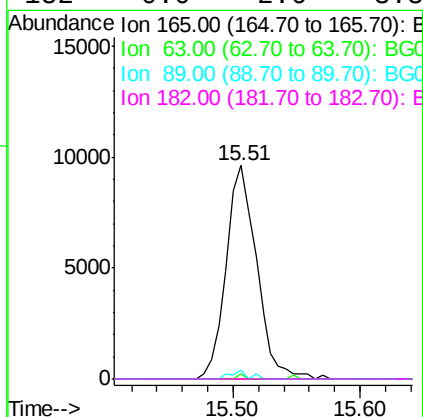
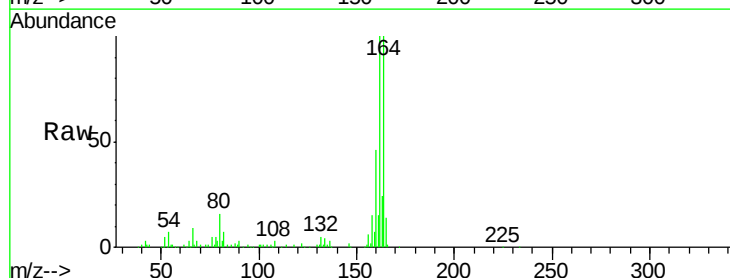
Instrument :
BNA_G
ClientSampleId :

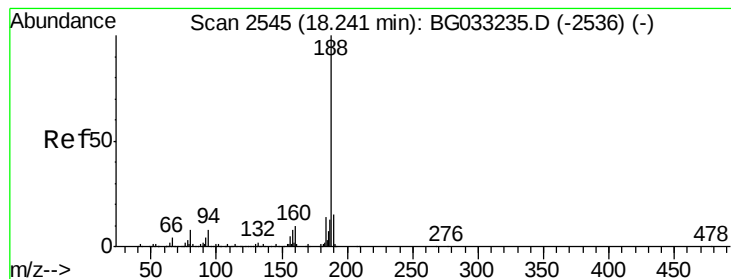
Tot Ion:165 Resp: 16000
Ion Ratio Lower Upper
165 100
63 2.2 52.7 79.1#
89 4.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.055 ng
RT: 15.51 min Scan# 2079
Delta R.T. -0.34 min
Lab File: BG033319.D
Acq: 23 Mar 2018 10:58

Tgt Ion:165 Resp: 16065
Ion Ratio Lower Upper
165 100
63 2.2 42.0 63.0#
89 4.0 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.24 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BG033319.D

Acq: 23 Mar 2018 10:58

Instrument :

BNA_G

ClientSampled :

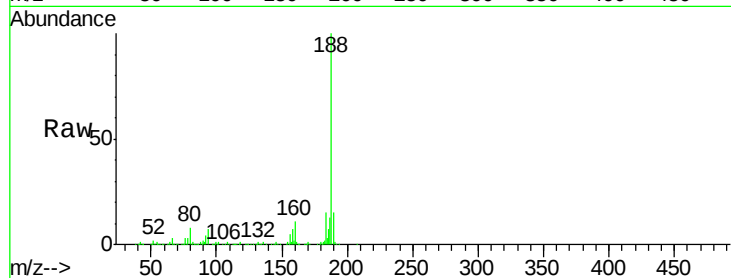
Tot Ion:188 Resp: 319405

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

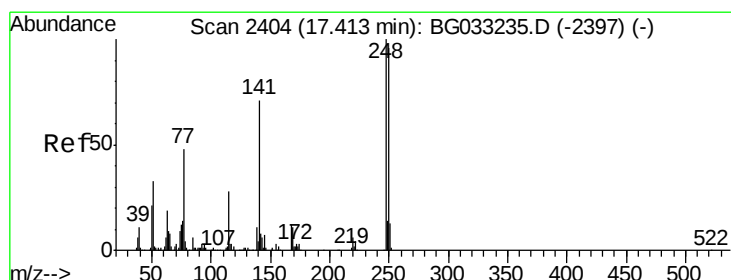
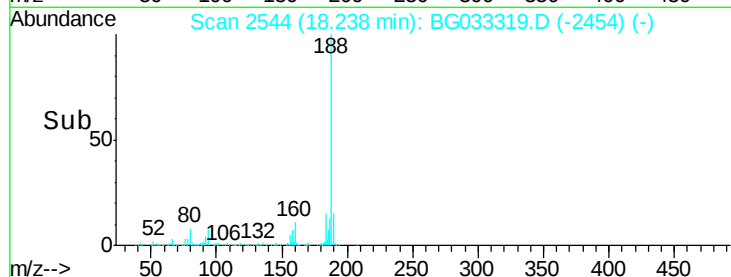
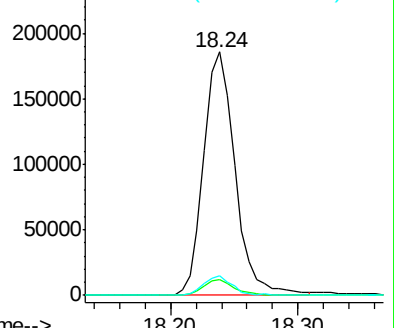
80 7.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 3.572 ng

RT: 16.98 min Scan# 2330

Delta R.T. -0.43 min

Lab File: BG033319.D

Acq: 23 Mar 2018 10:58

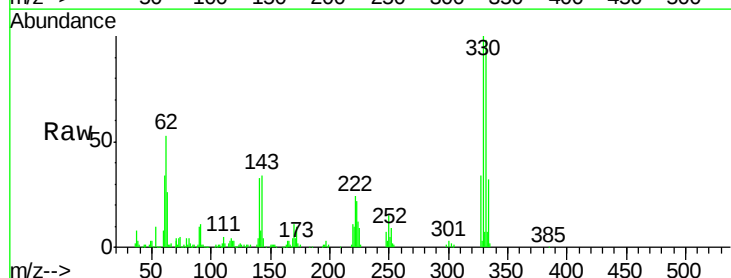
Tgt Ion:248 Resp: 13399

Ion Ratio Lower Upper

248 100

250 215.0 77.1 115.7#

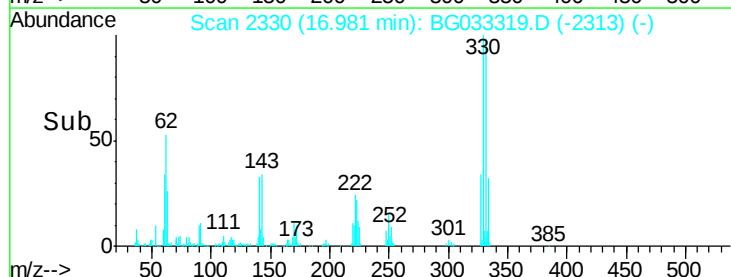
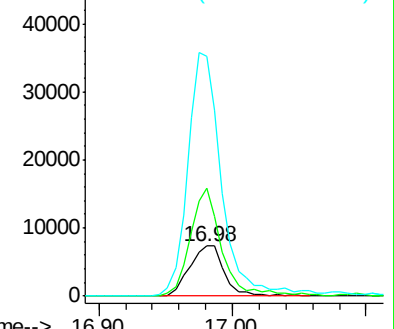
141 478.1 50.8 76.2#

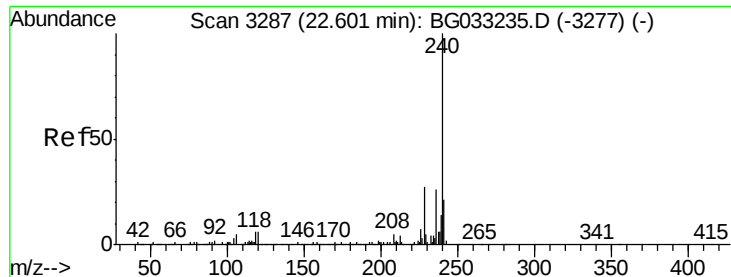


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.59 min Scan# 3285

Delta R.T. -0.01 min

Lab File: BG033319.D

Acq: 23 Mar 2018 10:58

Instrument :

BNA_G

ClientSampleId :

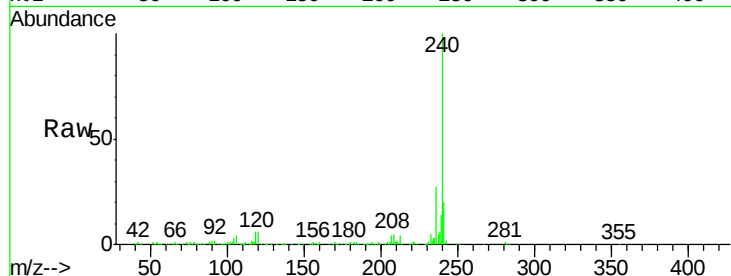
Tot Ion:240 Resp: 321808

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

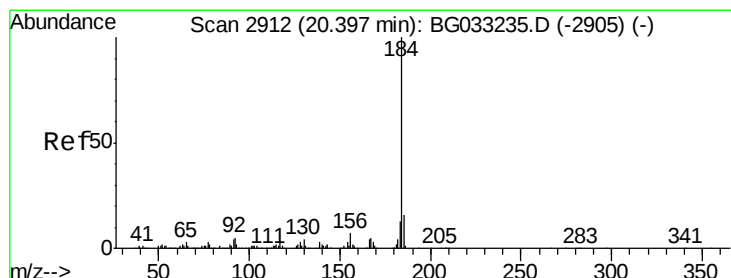
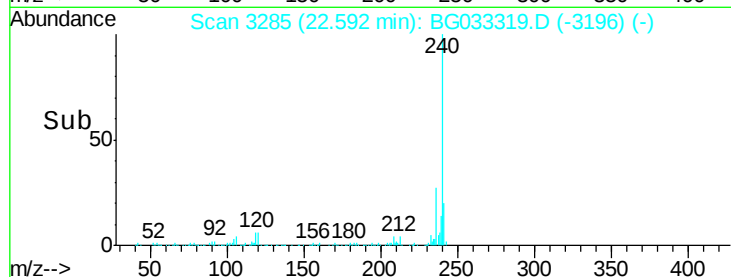
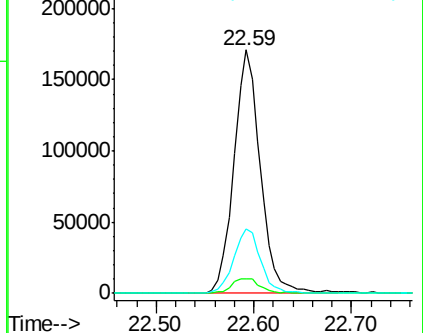
236 26.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.898 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033319.D

Acq: 23 Mar 2018 10:58

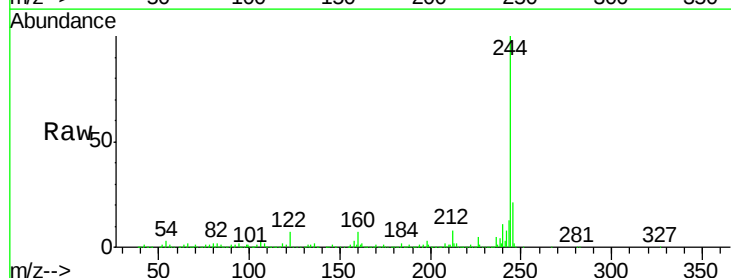
Tgt Ion:184 Resp: 25291

Ion Ratio Lower Upper

184 100

185 19.1 11.1 16.7#

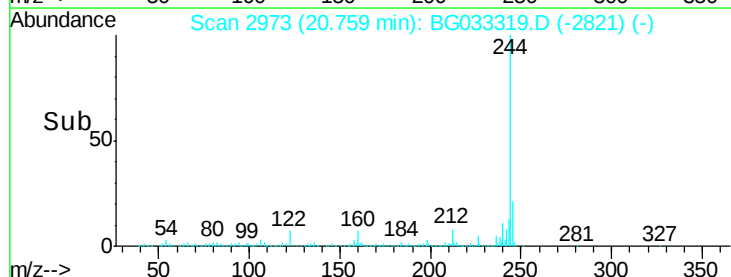
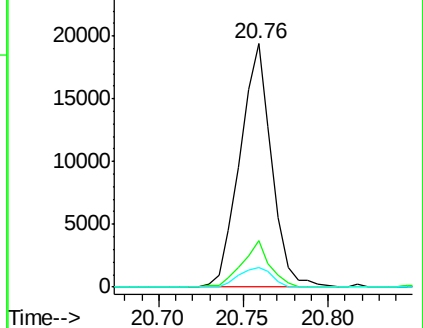
183 8.1 10.6 16.0#

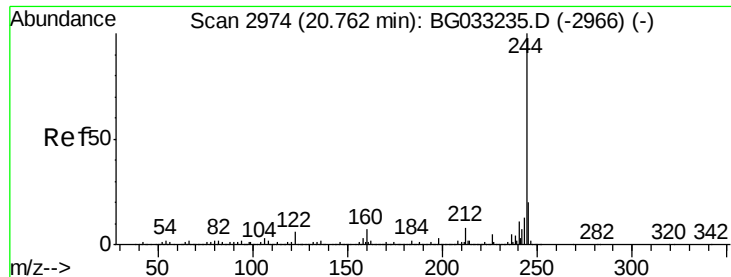


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

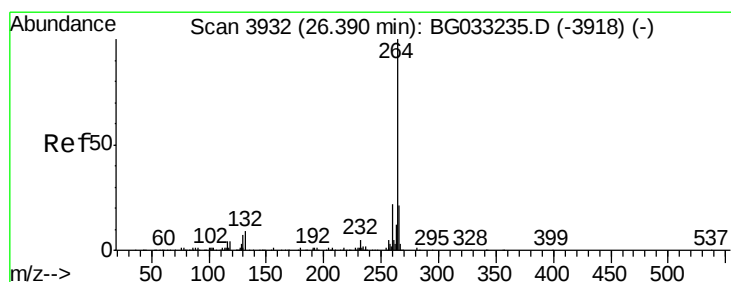
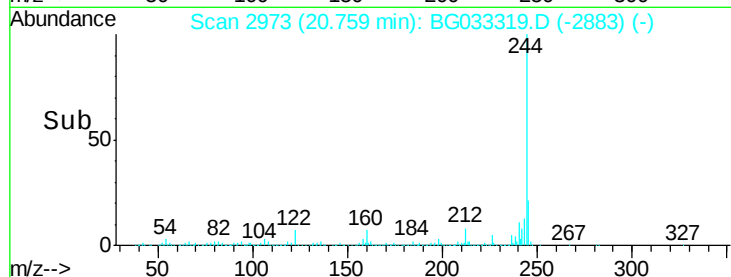
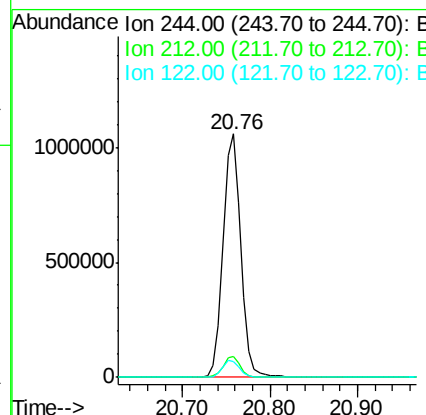
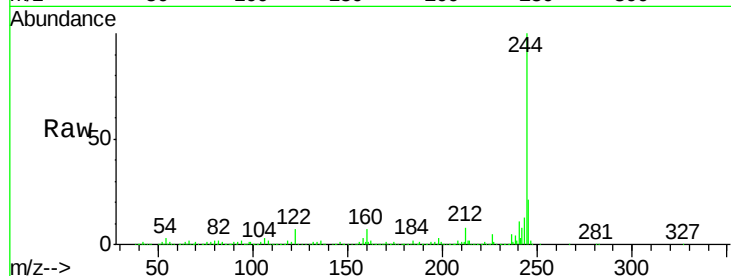




#78
 Terphenyl-d14
 Concen: 99.377 ng
 RT: 20.76 min Scan# 2973
 Delta R.T. -0.00 min
 Lab File: BG033319.D
 Acq: 23 Mar 2018 10:58

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1495377
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.8 8.8
 122 6.7 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.38 min Scan# 3930
 Delta R.T. -0.01 min
 Lab File: BG033319.D
 Acq: 23 Mar 2018 10:58

Tgt Ion:264 Resp: 329900
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.4 26.0
 265 22.1 17.7 26.5

